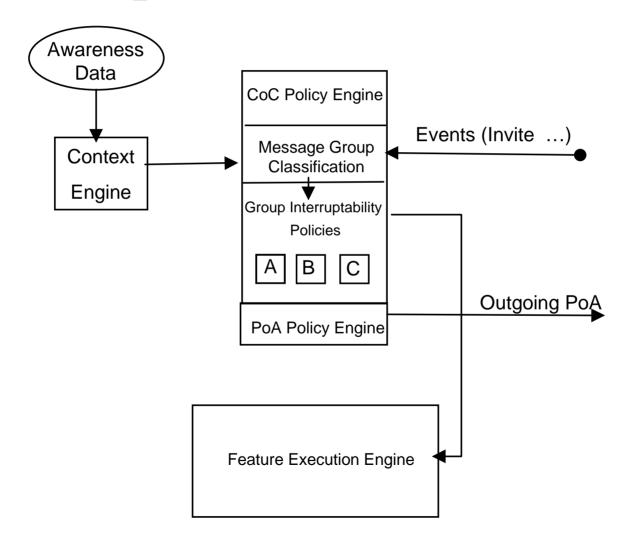
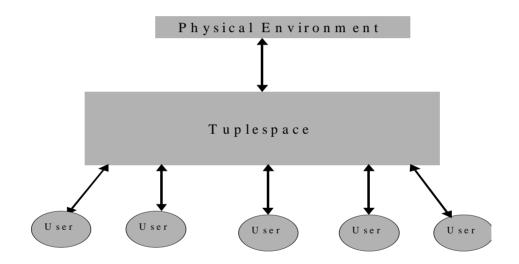
Deontic Policy Trees

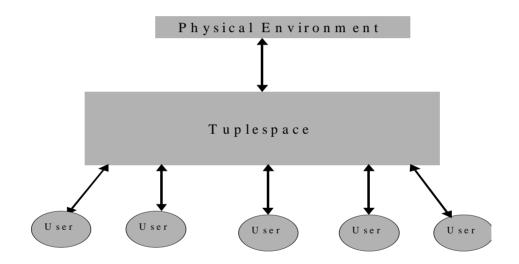
Tom Gray

Tri-partite Architecture





- Policies do not work alone but cooperate by multiple techniques to achieve user goals
- Policies may cooperate:
 - by chaining pre-conditions and post-conditions
 - sharing of data/assertions
- Found that designers had great difficulty in understanding dependencies between policies



- Creation of trees to improve understanding of dependencies
- Deontic values to allow tree to understand its own success in achieving goals
 - Obligation, Permission, Interdiction
 - Effective for feature interaction detection and resolution
 - features as goals with modulators
 - (especially Permitted value)

